2015 Consumer Confidence Report

water System Name: So	noma County Central Land	Report Date:	June 24th 2016
	2 0	1 0	ral regulations. This report shows winclude earlier monitoring data.
Este informe contiene inforentienda bien.	mación muy importante sobre	su agua potable. Tradú	zcalo ó hable con alguien que lo
Type of water source(s) in us	e: <u>Well</u>		
Name & general location of s	source(s): Well #1 corner of N	Mecham and Stony Pt. Roa	ds; Petaluma, CA
Drinking Water Source Asses	ssment information:		
Time and place of regularly s	cheduled board meetings for pub	olic participation:	
For more information, contact	et: Bartley Pump Inc	Phone: (<u>707</u>) <u>584-9191</u>

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Variances and Exemptions: State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (μg/L)

ppt: parts per trillion or nanograms per liter (ng/L)

ppq: parts per quadrillion or picogram per liter (pg/L)

pCi/L: picocuries per liter (a measure of radiation)

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring

minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, 7, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

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TABLE 1 –	SAMPLING	ச் RESULT	IS SHOW	ING THE D	ETECTION	OF COLII	FORM BACTERIA
Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of months in violation		MCL		MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.)	9	-		sample in a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	(In the year)		O A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>		0	Human and animal fecal waste	
TABLE 2	- SAMPLII	NG RESUI	LTS SHO	WING THE	DETECTIO	ON OF LEAD	D AND COPPER
Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of samples collected	90 th percentile level detected	No. sites exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	11/20/201 4	<u>5</u>	0	<u>0</u>	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	11/20/201 4	<u>5</u>	0.365	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
	TABLE 3	- SAMPL	ING RES	ULTS FOR	SODIUM A	ND HARD	NESS
Chemical or Constituent (and reporting units)	Sample Date	Level Detecte		Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	3/18/10	<u>38</u>			none	none	Salt present in the water and is

Hardness (ppm)	3/18/10	<u>82</u>	none	none	Sum of polyvalent cations present in
					the water, generally magnesium and
					calcium, and are usually naturally
					occurring

*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report. TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD								
Chemical or Constituent	Sample	Level	Range of	MCL	PHG (MCLG)			
(and reporting units)	Date	Detected	Detections	[MRDL]	[MRDLG]	Typical Source of Contaminant		
Arsenic ug/L	<u>7/16/2015</u>	<u>3.9</u>		<u>10</u>	<u>.004</u>	Erosion of natural deposits;		
						runoff from orchards; glass and		
						electronics production wastes		
<u>Aluminum</u>	<u>7/16/2015</u>	<u> 0ppm</u>		<u>1</u>	<u>0.6</u>	Erosion of natural deposits;		
						residue from some surface		
						water treatment processes		
<u>Antimony</u>	<u>7/16/2015</u>	<u> 0ppb</u>		<u>6</u>	<u>20</u>	Discharge from petroleum		
						refineries; fire retardants;		
						ceramics; electronics; solder		
<u>Barium</u>	<u>7/16/2015</u>	<u> 0ppb</u>		<u>1</u>	<u>2</u>	Discharge of oil drilling wastes		
						and from metal refineries;		
						erosion of natural deposits		
<u>Beryllium</u>	<u>7/16/2015</u>	<u> 0ppb</u>		<u>4</u>	<u>1</u>	Discharge from metal refineries,		
						coal-burning factories, and		
						electrical, aerospace, and		
						<u>defense industries</u>		
<u>Cadmium</u>	<u>7/16/2015</u>	<u> 0ppb</u>		<u>5</u>	<u>0.04</u>	Internal corrosion of galvanized		
						pipes; erosion of natural		
						deposits; discharge from		
						electroplating and industrial		
						chemical factories, and metal		
						refineries; runoff from waste		
						batteries and paints		
<u>Chromium</u>	<u>7/16/2015</u>	<u> 0ppb</u>		<u>50</u>	<u>(100)</u>	Discharge from steel and pulp		
						mills and chrome plating;		
	= /4 < /0.04 =					erosion of natural deposits		
Mercury (inorganic)	<u>7/16/2015</u>	<u> 0ppb</u>		<u>2</u>	<u>1.2</u>	Erosion of natural deposits;		
						discharge from refineries and		
						<u>factories; runoff from landfills</u>		
NT 1 1	7/16/2015			100	10	and cropland		
<u>Nickel</u>	<u>7/16/2015</u>	<u>Oppb</u>		<u>100</u>	<u>12</u>	Erosion of natural deposits;		
						discharge from metal factories		
<u>Selenium</u>	<u>7/16/2015</u>	<u>Oppb</u>		<u>50</u>	<u>30</u>	Discharge from petroleum,		
						glass, and metal refineries;		
						erosion of natural deposits;		
						discharge from mines and		
						chemical manufacturers; runoff		
						from livestock lots (feed		
						additive)		
Fluoride mg/L	<u>7/12/12</u>	<u>0.40</u>		<u>2.0</u>	<u>1</u>	Erosion of natural deposits;		
						water additive which promotes		
						strong teeth; discharge from		
						fertilizer and aluminum factories		
Gross Alpha pCi/L	3/28/07	<u>1</u>		<u>15</u>	<u>0</u>	Erosion of natural deposits		

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Nitrate (as nitrate, NO3)	7/16/2015	<u><1</u>		<u>45</u>	<u>45</u>	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
<u>Perchlorate</u>	7/16/2015	≤4		6	<u>6</u>	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, or dispose of perchlorate and its salts
Chlorine	<u>All months</u> <u>2015</u>	<u>0.6</u>	Trace-1.8mg/l firee	<u>4.0</u>		Drinking water disinfectant added for treatment
<u>Benzene</u>	3/8/13	.30	.50	<u>.15</u>	1	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
<u>Carbon</u> <u>Tetrachloride ppb</u>	<u>3/8/13</u>	<u><.50</u>	<u>.50</u>	<u>.5</u>	<u>100</u>	Discharge from chemical plants and other industrial activities
1,2- Dichlorobenzene (o-DCB) ppb	3/8/13	< <u>.50</u>	<u>50</u>	<u>600</u>	<u>600</u>	Discharge from industrial chemical factories
1,4- Dichlorobenzene (p-DCB) ppb	3/8/13	<u><.50</u>	.50	<u>5</u>	<u>6</u>	Discharge from industrial chemical factories
1,1-Dichloroethane (1,1-DCA) ppb	3/8/13	<u><.50</u>	<u>.50</u>	<u>5</u>	3	Extraction and degreasing solvent; used in the manufacture of pharmaceuticals, stone, clay, and glass products; fumigant
1,2-Dichloroethane (1,2-DCA)ppb	<u>3/8/13</u>	<u><.50</u>	.50	<u>.5</u>	<u>400</u>	Discharge from industrial chemical factories
1,1- Dichloroethylene (1,1-DCE)ppb	3/8/13	<u><.30</u>	.50	<u>6</u>	<u>10</u>	Discharge from industrial chemical factories
cis-1,2- Dichloroethylene (c-1,2-DCE) ppb	3/8/13	<u><.50</u>	<u>.50</u>	<u>6</u>	<u>100</u>	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination
trans-1,2- Dichloroethylene (t-1,2-DCE)ppb	3/8/13	<u><.50</u>	<u>.50</u>	<u>10</u>	<u>60</u>	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination
Dichloromethane (Methylene Chloride)ppb	3/8/13	<u><.50</u>	<u>.50</u>	<u>5</u>	4	Discharge from pharmaceutical and chemical factories; insecticide

1,2-	<u>3/8/13</u>	<u><.50</u>	<u>.50</u>	<u>5</u>	<u>.5</u>	Discharge from industrial chemical factories; primary
<u>Dichloropropane</u> <u>ppb</u>						component of some fumigants
Ethyl Benzene ppb	3/8/13	<u><.50</u>	<u>.50</u>	<u>300</u>	<u>300</u>	Discharge from petroleum
						refineries; industrial chemical factories
Methyl tert-Butyl	3/8/13	<.50	3.00	<u>5</u>	<u>13</u>	Leaking underground storage
Ether (MTBE) ppb			<u>3.00</u>	_		tanks; discharges from
, , , , , , , , , , , , , , , , , , , ,						petroleum and chemical factories
Monochlorobenzen	3/8/13	< <u>.50</u>	.50	<u>70</u>	200	Discharge from industrial and
<u>e (Chlorobenzene)</u>						agricultural chemical factories
<u>ppb</u>						and drycleaning facilities
Styrene ppb	<u>3/8/13</u>	<u><.50</u>	<u>.50</u>	<u>100</u>	<u>.50</u>	Discharge from rubber and plastic factories; leaching from
						landfills
1,1,2,2-	<u>3/8/13</u>	<u><.50</u>	<u>.50</u>	<u>1</u>	<u>.10</u>	Discharge from industrial and
<u>Tetrachloroethane</u>						agricultural chemical factories; solvent used in production of
<u>ppb</u>						TCE, pesticides, varnish and
T . 11	2/0/12	50	50	-	0.6	<u>lacquers</u>
Tetrachloroethylene (PCE) ppb	<u>3/8/13</u>	<u><.50</u>	<u>.50</u>	<u>5</u>	<u>.06</u>	<u>Discharge from factories, dry</u> cleaners, and auto shops (metal
<u>(1 CE) ppo</u>						degreaser)
Toluene ppb	<u>3/8/13</u>	<u><.50</u>	<u>.50</u>	<u>150</u>	<u>150</u>	Discharge from petroleum and chemical factories; underground
						chemical factories, iinderground
1,2,4-	3/8/13	< <u>.50</u>	<u>.50</u>	<u>5</u>	<u>5</u>	gas tank leaks Discharge from textile-finishing
Trichlorobenzene	3/8/13	< <u>.50</u>	.50	<u>5</u>	<u>5</u>	gas tank leaks
Trichlorobenzene ppb			_			gas tank leaks Discharge from textile-finishing factories
Trichlorobenzene ppb 1,1,1-	3/8/13	≤. <u>50</u> ≤ <u>.50</u>	. <u>50</u>	<u>5</u>	<u>5</u>	gas tank leaks Discharge from textile-finishing
Trichlorobenzene ppb			_			gas tank leaks Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb	3/8/13	<u><.50</u>	<u>.50</u>	200	<u>1000</u>	gas tank leaks Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2-			_			gas tank leaks Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb	3/8/13	<u><.50</u>	<u>.50</u>	200	<u>1000</u>	gas tank leaks Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene	3/8/13	<u><.50</u>	<u>.50</u>	200	<u>1000</u>	Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb	3/8/13	<.50 <.50	. <u>50</u>	<u>200</u>	<u>1000</u>	gas tank leaks Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene	3/8/13	<.50 <.50	. <u>50</u>	<u>200</u>	<u>1000</u>	Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories Discharge from metal
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb	3/8/13 3/8/13	<.50 <.50 <.50	. <u>50</u> . <u>50</u>	<u>200</u> <u>5</u> <u>5</u>	. <u>3</u>	Discharge from metal degreasing sites and other factories Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb Trichlorofluoromet	3/8/13 3/8/13	<.50 <.50 <.50	. <u>50</u> . <u>50</u>	<u>200</u> <u>5</u> <u>5</u>	. <u>3</u>	Discharge from textile-finishing factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories Discharge from metal
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb Trichlorofluoromet	3/8/13 3/8/13	<.50 <.50 <.50	. <u>50</u> . <u>50</u>	<u>200</u> <u>5</u> <u>5</u>	. <u>3</u>	Discharge from metal degreasing sites and other factories Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Discharge from metal
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb Trichlorofluoromet hane (FREON 11) Trichlorotrifluoroet hane (FREON	3/8/13 3/8/13 3/8/13	<50 <50 <50 <50	. <u>50</u> . <u>50</u> . <u>50</u>	<u>200</u> <u>5</u> <u>5</u> <u>150</u>	<u>1000</u> <u>.3</u> <u>1.7</u> <u>700</u>	Discharge from metal degreasing sites and other factories Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Discharge from metal degreasing sites and other
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb Trichlorofluoromet hane (FREON 11)	3/8/13 3/8/13 3/8/13	<50 <50 <50 <50	. <u>50</u> . <u>50</u> . <u>50</u>	<u>200</u> <u>5</u> <u>5</u> <u>150</u>	<u>1000</u> <u>.3</u> <u>1.7</u> <u>700</u>	Discharge from metal degreasing sites and other factories Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Discharge from metal
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb Trichlorofluoromet hane (FREON 11) Trichlorotrifluoroet hane (FREON 113)ppb Vinyl Chloride	3/8/13 3/8/13 3/8/13	<50 <50 <50 <50	. <u>50</u> . <u>50</u> . <u>50</u>	<u>200</u> <u>5</u> <u>5</u> <u>150</u>	<u>1000</u> <u>.3</u> <u>1.7</u> <u>700</u>	Discharge from metal degreasing sites and other factories Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Leaching from PVC piping;
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb Trichlorofluoromet hane (FREON 11) Trichlorotrifluoroet hane (FREON 113)ppb	3/8/13 3/8/13 3/8/13	<.50 <.50 <.50 <.50 <.50	.50 .50 .50 5.00	<u>5</u> <u>5</u> <u>150</u> <u>1200</u>	1000 .3 1.7 700	Discharge from metal degreasing sites and other factories Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Leaching from PVC piping; discharge from plastics
Trichlorobenzene ppb 1,1,1- Trichloroethane (1,1,1-TCA)ppb 1,1,2- Trichloroethane (1,1,2-TCA)ppb Trichloroethylene (TCE)ppb Trichlorofluoromet hane (FREON 11) Trichlorotrifluoroet hane (FREON 113)ppb Vinyl Chloride	3/8/13 3/8/13 3/8/13	<.50 <.50 <.50 <.50 <.50	.50 .50 .50 5.00	<u>5</u> <u>5</u> <u>150</u> <u>1200</u>	1000 .3 1.7 700	Discharge from metal degreasing sites and other factories Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories; manufacture of food wrappings Discharge from industrial chemical factories Discharge from metal degreasing sites and other factories Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant Leaching from PVC piping;

Total Xylenes (m,p, & 0)ppb	3/8/13	<u><.50</u>	<u>.50</u>	<u>1750</u>	<u>1.8</u>	Discharge from petroleum and chemical factories; fuel solvent
1,3- Dichloropropane	3/8/13	<u><.50</u>	.50		<u>.5</u>	Runoff/leaching from nematocide used on croplands
Total Trihalomethanes (TTHMs) ppb	03/28/14	5.21		80	N/A	By-product of drinking water disinfection
Bromodichloromet hane ppb	3/7/13	<u><.50</u>	1.0			
Bromoform ppb	3/7/13	<u><.50</u>	1.0			
Chloroform ppb(Trichlorometha ne)ppb	3/7/13	< <u>.50</u>	1.0			
Dibromochloromet hane ppb	3/7/13	< <u>.50</u>	1.0			
Haloacetic Acids (five) (HAAS)	03/28/14	<u>2.1</u>		<u>60</u>	<u>N/A</u>	By-product of drinking water disinfection
Monochloroacetic Acid (MCAA)	3/7/13	<u><2.0</u>	2.0			
Dichloroacetic Acid (DCAA)	3/7/13	<u><1.0</u>	1.0			
Trichloroacetic Acid (TCAA)	3/7/13	<1.0	1.0			
Monobromoacetic Acid (MBAA)	3/7/13	<1.0	1.0			
Dibromoacetic Acid (DBAA)	3/7/13	<u><1.0</u>	1.0			
TABLE 5 – DETE	CTION OF	CONTAMINA	NTS WITH A <u>S</u> I	ECONDAR	<u>Y</u> DRINKIN	IG WATER STANDARD
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
*Iron ug/L	3/18/10	<u>1300</u>		300	<u>n/a</u>	
Copper ppm	3/18/10	<u><0.05</u>		1.0		
Manganese ug/L	3/18/10	<u>34</u>		<u>50</u>		
Silver ppb Well #01	3/18/10	<u><10</u>		<u>100</u>		
Zinc ppm Well #01	3/18/10	<u><50</u>		<u>5000</u>		
	TABLE 6	6 – DETECTIO	N OF UNREGUI	LATED CO	NTAMINA	NTS
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notifica	ntion Level	Health Effects Language

^{*}Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead-Specific Language for Community Water Systems: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [INSERT NAME OF UTILITY] is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/lead.

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT									
Violation	Explanation	Actions Taken to Correct the Violation	Health Effects Language						

For Water Systems Providing Ground Water as a Source of Drinking Water

TABLE 7 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES						
Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant	

E. coli	(In the year)	<u>0</u>	0	(0)	Human and animal fecal waste
Enterococci	(In the year)	<u>0</u>	TT	n/a	Human and animal fecal waste
Coliphage	(In the year)	<u>0</u>	TT	n/a	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Ground Water Source Samples, Uncorrected Significant Deficiencies, or Ground Water TT

SPECIAL	SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE								
	SPECIAL NOTICE FOR	UNCORRECTED SIGN	IFICANT DEFICIENCIES						
	VIOLA	ATION OF GROUND WA	ATER TT						
TT Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language					
	L			I					

For Systems Providing Surface Water as a Source of Drinking Water

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES				
Treatment Technique ^(a) (Type of approved filtration technology used)				
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to NTU in 95% of measurements in a month. 2 – Not exceed NTU for more than eight consecutive hours. 3 – Not exceed NTU at any time.			
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.				
Highest single turbidity measurement during the year				
Number of violations of any surface water treatment requirements				

⁽a) A required process intended to reduce the level of a contaminant in drinking water.

⁽b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

^{*} Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided below.

Summary Information for Violation of a Surface Water TT

VIOLATION OF A SURFACE WATER TT					
TT Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language	
Summary Information for Operating Under a Variance or Exemption					
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